KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				((See Instruc	tions on Rev	verse Side))				
	en Flo liverab				Test Date	9 ;				No. 15 3 -21134-00- (00		
Company Noble E		Inc	•				Lease Zweyga	rdt		···	44-321	Well Number B	
County Location Cheyenne NE-NW-SE-SE				Section 32				RNG (E.	W)	Acres Attributed			
Field Cherry C) Creek	Niot	orara Gas A	ea	Reservoi Niobrara					hering Conn Morgan via	ection Lampe Compre	essor	
Completic 11/7/200		е			Plug Bac 1512'	Plug Back Total Depth 1512'				Set at			
Casing Si 7", 4-1/2		Weight 17#, 11.6#			Internal Diameter 9-7/8", 6-1/4"		Set at 270', 1544'		Perforations 1342'		то 1382'		
Tubing Size Weight Internal Diameter Set at Perforations N/A						То							
Type Con Single (ı (De	escribe)		Type Flui Saltwa	d Production	n		Pump Ur	nit or Traveling	Plunger? Yes	/ No	
	Thru	(Anr	nulus / Tubing)	% Carbon Dioxide				% Nitrog	en	Gas Gr	Gas Gravity - G _g	
Vertical D)				Pres	sure Taps				(Meter I	Run) (Prover) Size	
Pressure	Buildu	n: 5	Shut in2/26	· · · · · · · · · · · · · · · · · · ·	09 at 9	:10	AM) (PM)	Taken		20	at	(AM) (PM)	
Well on L			Started 2/27		09 at 2			Taken			at		
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 29 Hours	
Static / Dynamic Property	Orifice Mete		Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential e in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _c) or (P _c) psig psia		Tubing ad Pressure (P ₁) or (P _C) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				•			140	psiu	psig	pola			
Flow													
						FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiecient (F _B) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _g		Flowing femperature Factor F ₁₁	erature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
					(OBEN EL	OW) (DELIV	ERABILITY)	CALCIII	ATIONS				
(P _c) ² =			(P _w) ² =_		P _d =	• •	•	- 14.4) +			(P _a);	² = 0.207 ² =	
(P _c) ² - (F	I	(P,	_c)²- (P _w)²	1. P _c ² - P _d ² 2. P _c ² - P _d ² vided by: P _c ² - P _w ²	LOG of formula 1, or 2. and divide by:	P _c ² - P _w ²	Backpres Slop Ass	sure Curve e = "n" origned rd Slope	n x l	.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	v			Mcfd @ 14.6	l 35 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a	
			•	behalf of the	and correct	t. Executed	this the 1s	4	<i>_</i>	e above jepor ecember /	rt and that he ha	s knowledge of 20 <u>09</u>	
			Witness (if	any)		DEC 0 4				For C	ompany		
	tt		For Commis	sion		JEU ₩ ⁴	LUUJ —			Chec	ked by		

(Check one) is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No. ✓ is not capable of producing at a daily rate in excess of 250 mcf/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.		
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc. Individual that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Zweygardt 44-32B gas well on the grounds that said well: (Check one) is a coalbed methane producer is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No. is not capable of producing at a daily rate in excess of 250 mct/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing. Signature:		•
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Signature: Mund Joseph	is cycled on plunger lift due to is a source of natural gas for in is on vacuum at the present tim is not capable of producing at	water njection into an oil reservoir undergoing ER ne; KCC approval Docket No a daily rate in excess of 250 mcf/D lity any and all supporting documents deemed by Commission
	Date: _12/1/2009	
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Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to élaim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.